

**Laboratory** MK Best Calibration Services, No: 27, F-2,1st Floor, 2nd street,  
Varalakshmi Nagar, P. H. Road, Maduravoyal, Chennai, Tamil Nadu

**Accreditation Standard** ISO/IEC 17025:2005

**Discipline** Thermal Calibration **Issue Date** 06.08.2015

**Certificate Number** C-1099 **Valid Until** 29.07.2016

**Last Amended on** 07.08.2015 **Page** 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. TEMPERATURE</b>			
1. RTD'S, THERMOCOUPLES, WITH / WITHOUT INDICATORS, CONTROLLERS, DATA LOGGER, TEMPERATURE GAUGES <sup>S</sup>	-40°C to 50 °C	0.28 °C	Using RTD 6½ DMM GDM-8261A by Comparison Method
	50 °C to 400 °C	0.65 °C	
2. PORTABLE TEMPERATURE BATHS, DRY BLOCK CALIBRATORS, LOW TEMPERATURE BATH <sup>S</sup> (Single Point/Multi Points)	400 °C to 1000 °C	1.9 °C	Using S Type Thermocouple with 6½ DMM GDM-8261A by Comparison Method
	1000 °C to 1200 °C	2.7 °C	
PORTABLE TEMPERATURE BATHS, DRY BLOCK CALIBRATORS, LOW TEMPERATURE BATH, (Single Point Only)	-40 °C to 400 °C	0.65 °C	Using RTD 6½ DMM GDM-8261A by Direct Method
	400 °C to 1200 °C	2.7 °C	
3. RTD'S, THERMOCOUPLES, WITH / WITHOUT INDICATORS, CONTROLLERS, DATA LOGGER TEMPERATURE GAUGES*	-40 °C to 50 °C	0.3 °C	Using RTD with Calibrator by Comparison Method
	50 °C to 400 °C	0.7 °C	
	400 °C to 1000 °C	2.7 °C	Using S Type Thermocouple with Calibrator by Comparison Method
	1000 °C to 1200 °C	3.2 °C	

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**Page** 2 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
4. TEMPERATURE BATH, DRY BLOCK CALIBRATOR, WATER BATH, OVENS, THERMAL CHAMBER , INCUBATOR, FURNACES, DEEP FREEZERS, REFRIGERATORS, TEMPERATURE CONTROLLED AUTOCLAVES* (Single Point)	-40 °C to 50 °C 50 °C to 400 °C 400 °C to 1000 °C	0.51 °C 1.21 °C 2.7 °C	Using RTD with Calibrator by Comparison Method Using S Type Thermocouple with Calibrator by Comparison Method
5. TEMPERATURE BATH, DRY BLOCK CALIBRATOR, WATER BATH, OVENS, THERMAL CHAMBER , INCUBATOR, FURNACES, DEEP FREEZERS, REFRIGERATORS, TEMPERATURE CONTROLLED AUTOCLAVES * (Multi Point)	-40 °C to 400 °C 400 °C to 1000 °C	2.6 °C 4.8 °C	Using RTD with Multi Channel Temperature Recorder by Direct Method Using N-Type Thermocouple Multi-Channel Temperature Recorder by Direct Method

\* Measurement Capability is expressed as an uncertainty ( $\pm$ ) at a confidence probability of 95%

§Only in Permanent Laboratory

\*Only for Site Calibration

**Neeraj Verma**  
Convenor

**Avijit Das**  
Program Manager